

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L35	0	(03/098449).APP.	JPO; DERWENT	OR	OFF	2010/08/18 11:20
L36	3	"03098449"	JPO; DERWENT	OR	OFF	2010/08/18 11:20
L37	0	(03/098449).APP.	JPO; DERWENT	OR	OFF	2010/08/18 11:44
L38	2	"63157651"	JPO; DERWENT	OR	OFF	2010/08/18 11:47
S1	0	"20080278015"	USPAT	OR	OFF	2010/08/16 13:21
S2	1	"20080278015"	US-PGPUB; USPAT	OR	OFF	2010/08/16 13:21
S3	2	((("6571928") or ("5204569"))).PN.	US-PGPUB; USPAT	OR	OFF	2010/08/16 13:26
S4	2	"19946938"	EPO; JPO; DERWENT	OR	OFF	2010/08/16 13:34
S5	4	"2002054706"	EPO; JPO; DERWENT	OR	OFF	2010/08/16 13:34
S6	8	"10210198" or "63087161"	EPO; JPO; DERWENT	OR	OFF	2010/08/16 13:35
S7	45	310/154.22.ccls.	US-PGPUB; USPAT	OR	OFF	2010/08/16 14:16
S8	54	310/154.28.ccls.	US-PGPUB; USPAT	OR	OFF	2010/08/16 14:20
S9	19	310/154.18.ccls.	US-PGPUB; USPAT	OR	OFF	2010/08/16 14:27
S10	83	310/154.21.ccls.	US-PGPUB; USPAT	OR	OFF	2010/08/16 14:27
S11	308	310/154.\$.ccls. and equal	US-PGPUB; USPAT	OR	OFF	2010/08/16 14:29
S12	1	("20080165440").PN.	US-PGPUB; USPAT	OR	OFF	2010/08/16 14:33
S13	21	("4132914"   "4227107"   "4404485"   "4437029"   "4532244"   "4583016").PN. OR ("4876472").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/08/16 14:48
S14	116	310/12.\$.ccls. and spiral\$	US-PGPUB; USPAT; USOCR	OR	OFF	2010/08/16 14:56
S15	4	("5079458"   "5687614"   "6670738"   "7242118").PN. OR ("7501723").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/08/16 14:59
S16	20	linear adj actuator and spiral\$	EPO; JPO	OR	OFF	2010/08/16 15:04

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S17	1	h02k041/\$.ipc. and magnet near shaft and fixed	EPO; JPO	OR	OFF	2010/08/16 15:06
S18	4	h02k041/\$.ipc. and magnet near shaft	EPO; JPO	OR	OFF	2010/08/16 15:06
S19	0	h02k041/\$.ipc. and (magnet\$ and shaft).ti.	EPO; JPO	OR	OFF	2010/08/16 15:07
S20	346	h02k041/\$.ipc. and magnet\$ and shaft	EPO; JPO	OR	OFF	2010/08/16 15:08
S21	164	310/154.\$.cls.	USPAT	OR	OFF	2010/08/17 05:01
S22	8	("1566693"   "4496887"   "5162684"   "5753991"   "5911453").PN. OR ("6891296").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/08/17 05:03
S23	16	("3873897"   "3956678"   "4217508").PN. OR ("4496887").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/08/17 05:04
S24	933	310/154.\$.cls.	USPAT	OR	OFF	2010/08/17 05:07
S25	770	S24 not S21	USPAT	OR	OFF	2010/08/17 05:07
S26	2	("2278489").URPN.	USPAT	OR	OFF	2010/08/17 05:18
S27	8	("3249780").URPN.	USPAT	OR	OFF	2010/08/17 05:23
S28	12	("3277324").URPN.	USPAT	OR	OFF	2010/08/17 05:24
S29	67	("2392500"   "2856550"   "3091713"   "3213303"   "3258622"   "3258623"   "3290525"   "3356876"   "3444402").PN. OR ("3663850").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/08/17 05:33
S30	4	("4774424").PN. OR ("4900963").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/08/17 05:47
S31	537	h02k001/17.ipc.	EPO; JPO	OR	OFF	2010/08/17 05:55
S32	73	h02k023/\$.ipc. and equal and poles	EPO; JPO	OR	OFF	2010/08/17 06:13
S33	1	h02k027/\$.ipc. and equal and poles	EPO; JPO	OR	OFF	2010/08/17 06:17
S34	3	h02k027/\$.ipc. and equal	EPO; JPO	OR	OFF	2010/08/17 06:17
S35	26	h02k027/\$.ipc. and "same"	EPO; JPO	OR	OFF	2010/08/17 06:17
S36	1033	h02k023/04.ipc.	EPO; JPO	OR	OFF	2010/08/17 06:18
S37	135	h02k023/04.ipc. and magnetiz\$	EPO; JPO	OR	OFF	2010/08/17 06:18
S38	282	h02k\$.ipc. and "same" near "poles"	EPO; JPO	OR	OFF	2010/08/17 07:35
S39	704	"310"/\$.cls. and "same" near "poles" and "number"	US-PGPUB; USPAT	OR	OFF	2010/08/17 07:49
S40	105	"310"/\$.cls. and "same" near "poles" near2 "number"	US-PGPUB; USPAT	OR	OFF	2010/08/17 07:49
S41	18	("4099104"   "4427462"   "4531079"   "4547714"   "4672252"   "4737674"   "4804873"   "4990809"   "5382853"   "5554902").PN. OR ("5689147").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/08/17 07:54

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S42	40	("3124733"   "3482156"   "3679953"   "3805134"   "3831071"   "3840761"   "3845339"   "3914631"   "3930190"   "3938014"   "4005347"   "4011475"   "4074173"   "4099104"   "4242608"   "4275339"   "4429263").PN. OR ("4547714").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/08/17 07:55
S43	278	310/40mm.ccls. and permanent adj magnet\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2010/08/17 08:01
S44	8	("3924148"   "4562395"   "4577610"   "4734601"   "4853569").PN. OR ("5157294").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/08/17 08:06
S45	816	310/198.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/08/17 08:11
S46	572	310/198.ccls. and ("same" or equal)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/08/17 08:11
S47	135	h02k023/04.ipc. and "same"	EPO; JPO	OR	OFF	2010/08/17 08:14
S48	461	(h02k023/\$.ipc. and "same") not h02k023/04.ipc.	EPO; JPO	OR	OFF	2010/08/17 08:31
S49	1	"2000295798"	DERWENT	OR	OFF	2010/08/17 08:38
S50	1	("6376963").PN.	US-PGPUB; USPAT	OR	OFF	2010/08/17 08:38
S51	8	("4730136"   "4859895"   "4881002"   "4902941"   "5045742").PN. OR ("6376963").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/08/17 08:38
S52	714	dc and motor and commutated and permanent adj magnet?	US-PGPUB; USPAT	OR	OFF	2010/08/17 09:01
S53	55	("1761836"   "1976880"   "2227894"   "2240652"   "2250395"   "2601517"   "3032670"   "3164734"   "3214620"   "3264538"   "3299335"   "3433987"   "3493831"   "3644809"   "3739248"   "3860843"   "3873897"   "4023057"   "4110718"   "4237397").PN. OR ("4438362").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/08/17 09:17
S54	10	("4217508"   "4237397"   "4438362"   "4460839"   "4467232"   "4536669"   "4845398"   "5008578"   "5798625"   "5920139").PN. OR ("6020666").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/08/17 09:18
S55	4	REI SINGER near KARL	EPO; JPO; DERWENT	OR	OFF	2010/08/17 10:28
S56	33	dc and commutator and clutch near motor	US-PGPUB; USPAT	OR	OFF	2010/08/17 10:37
S57	0	310/83.ccls. and ramp near rings	US-PGPUB; USPAT	OR	OFF	2010/08/17 10:40

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S58	0	310/83.ccls. and ramp near ring	US-PGPUB; USPAT	OR	OFF	2010/08/17 10:40
S59	4	"310"/\$.ccls. and ramp near ring	US-PGPUB; USPAT	OR	OFF	2010/08/17 10:40
S60	4	"310"/\$.ccls. and ramp near ring\$	US-PGPUB; USPAT	OR	OFF	2010/08/17 10:40
S61	5	"310"/\$.ccls. and ramp near2 ring\$	US-PGPUB; USPAT	OR	OFF	2010/08/17 10:41
S62	104	dc same actuator and friction near clutch	US-PGPUB; USPAT	OR	OFF	2010/08/17 10:41
S63	17	"192"/\$.ccls. and ramp adj rings	US-PGPUB; USPAT	OR	OFF	2010/08/17 10:43
S64	5	("20030029690"   "20040188218"   "5267635"   "6003649"   "6712189").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/08/17 10:45
S65	1	ramp adj rings	EPO; JPO	OR	OFF	2010/08/17 10:47
S66	2	ramp near3 rings	EPO; JPO	OR	OFF	2010/08/17 10:47
S67	33	ramp near3 rings	EPO; JPO; DERWENT	OR	OFF	2010/08/17 10:48
S68	15	"310"/\$.ccls. and ball same ramp	US-PGPUB; USPAT	OR	OFF	2010/08/17 10:50
S69	1956	310/83.ccls. or 310/75r.ccls.	US-PGPUB; USPAT	OR	OFF	2010/08/17 11:04
S70	1	("20090001845").PN.	US-PGPUB; USPAT	OR	OFF	2010/08/17 12:09
S71	1033	h02k023/04.ipc.	EPO; JPO	OR	OFF	2010/08/17 12:24
S72	920	h02k023/04.ipc.	JPO	OR	OFF	2010/08/17 12:24
S73	1	"61199454"	DERWENT	OR	OFF	2010/08/17 12:46
S74	263	310/152.ccls.	USPAT	OR	OFF	2010/08/17 12:46
S75	8	("3924148"   "4562395"   "4577610"   "4734601"   "4853569").PN. OR ("5157294").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/08/17 13:02
S76	188	310/156.45.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/08/17 13:17
S77	19	stator near magnet and rotor near pole	EPO; JPO	OR	OFF	2010/08/17 13:21
S78	1	("6771931").PN.	US-PGPUB; USPAT	OR	OFF	2010/08/17 13:25
S79	0	"61147757"	USPAT	OR	OFF	2010/08/17 14:04
S80	1	"61147757"	USPAT; DERWENT	OR	OFF	2010/08/17 14:04
S81	22	"748032"	USPAT; DERWENT	OR	OFF	2010/08/17 14:09
S82	1	("6081058").PN.	US-PGPUB; USPAT	OR	OFF	2010/08/17 14:10

## EAST Search History (Interference)

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